

---

**AFFIDAVIT**  
**SWORN STATEMENT OF NEED FOR A NEW MOBILE SERVICE SUPPORT**  
**STRUCTURE IN SUPPORT OF NEW TOWER CONSTRUCTION**

---

STATE OF ILLINOIS                    )  
  )  
COUNTY OF DuPage                    )

The undersigned, Andrew T. Flowers, being first duly sworn on oath and states as follows:

1.     My name is Andrew T. Flowers, and I am employed by AT&T Mobility dba New Cingular Wireless PCS, LLC as its Lead Real Estate and Construction Manager for the IL/WI market. My job duties include, among other things, responsibility, and oversight of AT&T Mobility’s wireless network new site deployments. This includes overview of the newly proposed mobile service support structure at the address of 1010 LEBANON STREET, with a property parcel ID number of 15-34-105-008, and Lat/Lon coordinates of 41.735983 -88.317881; AT&T Mobility Site IL4407 / 15815770 (the "New Tower Location").

2.     This Sworn Statement is made pursuant to THE City of Aurora, IL.

3.     I make and submit this Sworn Statement in support of the accompanying application and supplement documents for the request of zoning approval submitted by applicant MasTec Network Solutions, and pursuant to which MasTec and AT&T propose to develop and construct a 125’ tall monopole tower, overall structure height 129’ with lightning rod attachment, and related telecommunications equipment at the New Tower Location as described above and depicted on the site plans submitted along with the application. This New Tower Location is a light pole replacement that already exists at this location long the ballfield fence line.

4.     We provide this Written Statement as Compliance with Sections 19-68(f) – (n) of the City Ordinance.

*Section 19-68 (f) Aesthetics:*

Proposed tower and facility will maintain a galvanized steel finish. Accessory building - shelter – will be constructed with materials, colors and textures that will blend into the natural setting.

*Section 19-68 (g) Lighting*

Tower, antennas and poles shall not be artificially lighted; except as required by FAA AND except for the lighting proposed on the pole to serve the athletic field.

*Section 19-68 (h) State or Federal requirements*

Proposed telecommunication facility shall meet or exceed all current standards and regulations of the FAA, FCC, and any other agency of the state or federal government with authority to regulate telecommunication facilities.

*Section 19-68 (i) Building Codes: Safety standards*

Proposed telecommunication facility shall be in constructed and maintained in compliance with standards contained in applicable state or local building codes and the applicable standards published in the National Electrical Code, as amended from time to time.

*Section 19-68 (j) Public notice*

Applicant shall provide the necessary and required public notification to adjoining residents in accordance with notification requirements.

*Section 19-68 (k) Signs*

No signs are proposed, except warning or notification signs required by federal law or regulations, identification, and location markings, or as otherwise required by this article.

*Section 19-68 (l) Buildings and support equipment*

Buildings and support equipment shall comply with requirements of Section 19-72.

*Section 19-68 (m) Multiple communications facilities plan*

The proposed telecommunication facility shall accommodate co-location of additional facilities or carriers.

*Section 19-68 (n) Availability of suitable existing towers, other structures, or alternative technology.*

*There is a Village of Montgomery water tank .7 miles South of proposed NEW TOWER. The Village of Montgomery does not want any carriers on its water tank and has moved carriers to monopole tower next to the water tank. The close proximity to the water tank of this monopole blocks about 30-40% of the signal in the area to the east of that facility due to the water tank. AT&T is working with the Village of Montgomery to build a new monopole tower (IL0660) south of the water tank facility on unused village land. This new*

*tower will be 160' and will help with coverage along RT.30 and surrounding neighborhoods. This new tower in Montgomery, as shown on the map, will not cover the proposed NEW TOWER on Aurora Park District property. See Exhibit #1 and #1A*

*Beyond the water tank described above, there are no existing towers or structures for AT&T to collocate its antennas and equipment on because they are not of sufficient height (greater than 35') or are located outside of AT&T's search ring that is beyond the existing ring of towers that AT&T facilities are already located on. There is no structures of any sufficient height within .7 miles of the proposed NEW TOWER. See Exhibit #2 of all AT&T Mobility communication facilities within a 3.7 mile radius of proposed NEW TOWER.*

5. We provide this Written Statement addressing the current radio frequency coverage prediction in the area served both prior to and after construction of the proposed communications facility and technical performance goals for the desired signal strength.

*AT&T Mobility is improving and upgrading its network's wireless coverage and capacity in the area surrounding New Tower Location to provide needed improvement to signal strength, FirstNet access for First Responders, in-building penetration, and reliable, high-speed wireless data capability. In order to accomplish these objectives, AT&T Mobility and MasTec Network Solutions, LLC are proposing the new mobile support structure tower and related telecommunications site at the New Tower Location. The proposed mobile service support structure at the New Tower Location is a necessary infrastructure addition and will become an integral part of AT&T Mobility's wireless network. The primary functions of the proposed site are to provide enhanced, reliable wireless coverage and additional capacity which will help ensure seamless wireless data capabilities and connectivity to AT&T Mobility's customers in the area. Without this site, the signal strength and data capacity in the area will not be adequate for a reliable network. As consumption of data services surge, the importance of this site also surges. AT&T Mobility has evaluated the existing structure locations in the surrounding area, and there are no existing towers or other tall structures that could accommodate AT&T Mobility's equipment to achieve substantially similar network functionality, coverage, and capacity. Consequently, because co-locating on no other existing structure would provide the required wireless coverage, signal strength, or data speeds to the coverage objective and intended areas, the proposed new mobile service support structure is necessary to provide the coverage and capacity required for a fully functioning wireless network.*

6. We provide this written statement addressing the use of drive test results to confirm or refute the areas shown on coverage maps used in planning the system used by the communications provider.

*AT&T RF Engineers uses proprietary software from drive test data to gather information on the placement of new facility. This software looks at AT&T's current coverage and that of its fellow telecommunication carriers. Additionally, once that data is gathered, AT&T*

*uses drop call logs, customer complaints and customer data / voice usage to determine whether a new communication facility is needed and where it needs to be placed. All in information helps create the RF Signal Maps or sometimes call Propagation Maps. AT&T would not be requesting a NEW TOWER LOCATION and spending more than a half-million dollars if the need was not warranted. EXHIBIT #3 shows the current coverage in the area, with and without the NEW TOWER location. AT&T Mobility affirms that the coverage area maps are founded in sound, radio frequency studies and engineering evaluations, as they relate to the provision of wireless telecommunication service.*

7. We provide this written statement from an engineer(s) that the construction and placement of the communications facility, pole, or antenna will not interfere with public safety communications and the usual and customary transmission or reception of radio, television or other communications services enjoyed by adjacent residential and nonresidential properties.

*This communication facility will not interfere with any other communications facility, pole, or antenna nor will it interfere with public safety communications and the usual and customary transmission or reception of radio, television or other communications services enjoyed by adjacent residential and nonresidential properties. AT&T proposed NEW TOWER LOCATION will be built and maintained in accordance with local governmental requirements and FCC/FAA standards associated with AT&T's federal licenses.*

8. Provide an affidavit by the owner of the parent tract (if the location is leased) agreeing to the terms relating to removal of the facility, as described in section 19-73.

*This written statement serves as affidavit that New Cingular Wireless [tenant] and Fox River Valley Pleasure Driveway and Park District [landlord] will conform with Sec 19-73 Removal Of Abandoned Antennas And Towers as agreed to by both parties in Option and Lease Agreement.*

9. Provide a letter identifying if a backhaul network is being utilized for the communications facility.

*AT&T Mobility will be using AT&T as its back-haul network provider. AT&T is the fiber provider in this area and has existing facilities already in near the NEW TOWER location.*

Dated this 6 day of Feb, 2024.

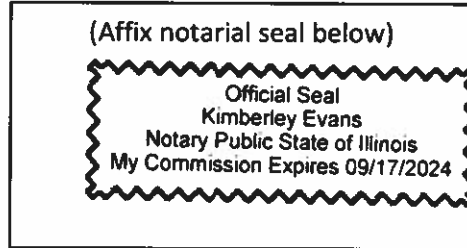


(Affiant) Andrew T. Flowers  
(Affiant's job title) Lead Real Estate and  
Construction Mgr. IL/WI  
(Carrier) AT&T Mobility

Subscribed and sworn before me this  
6 day of Feb, 2024.

Kimberley Evans  
Notary Public, State of ILLINOIS

My commission expires: 9-17-2024 (date)



Market

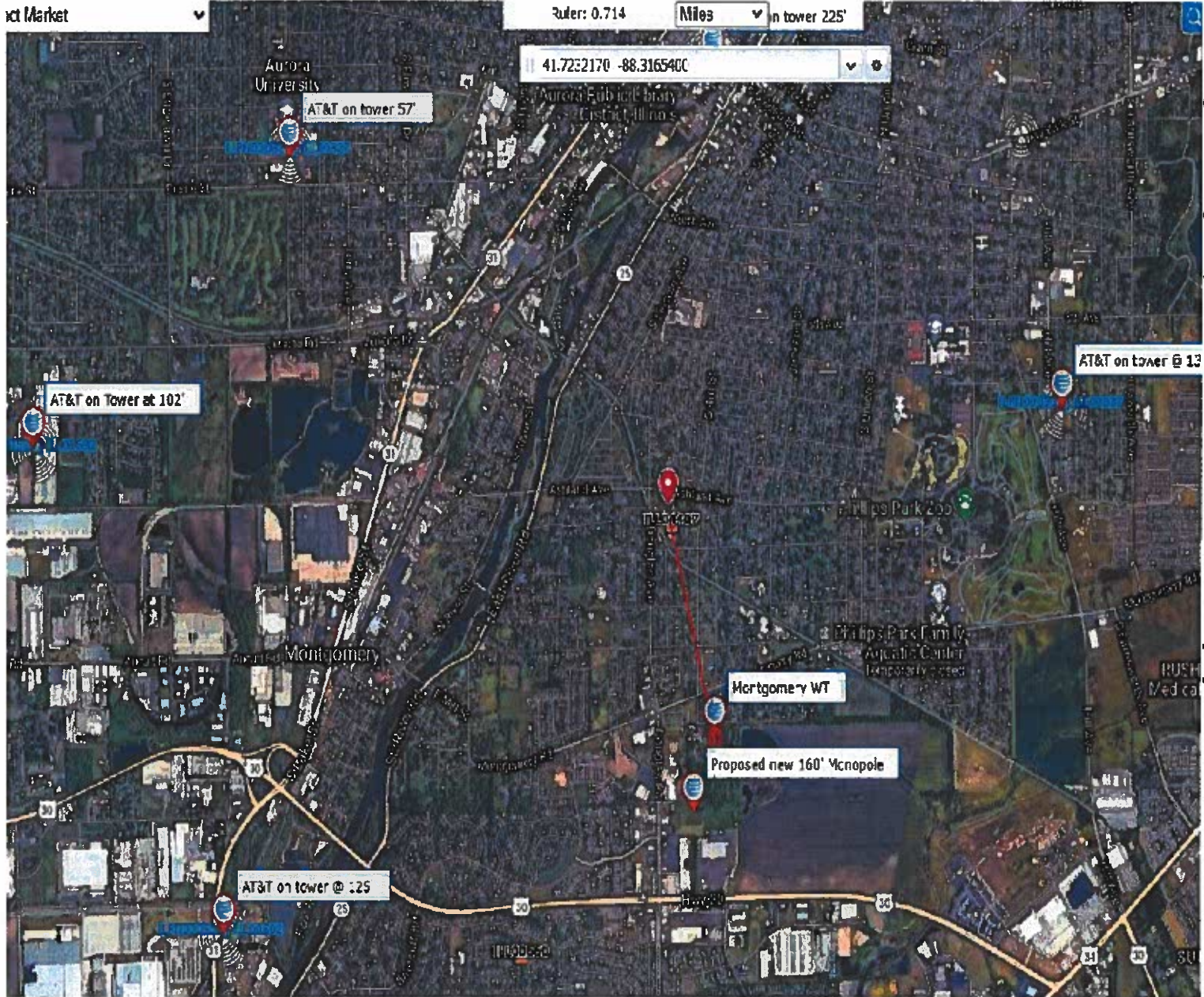


EXHIBIT #1  
The Village of Montgomery has a water tank .7 miles South of proposed NEW TOWER.

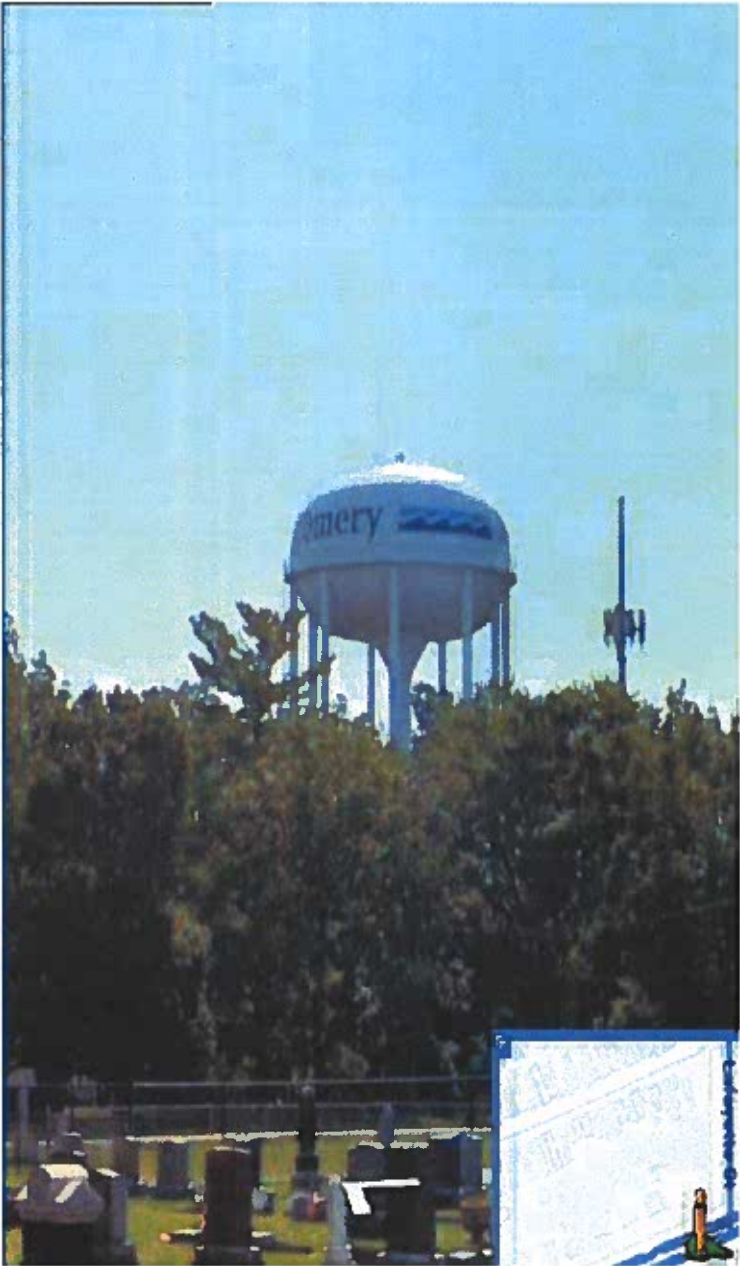
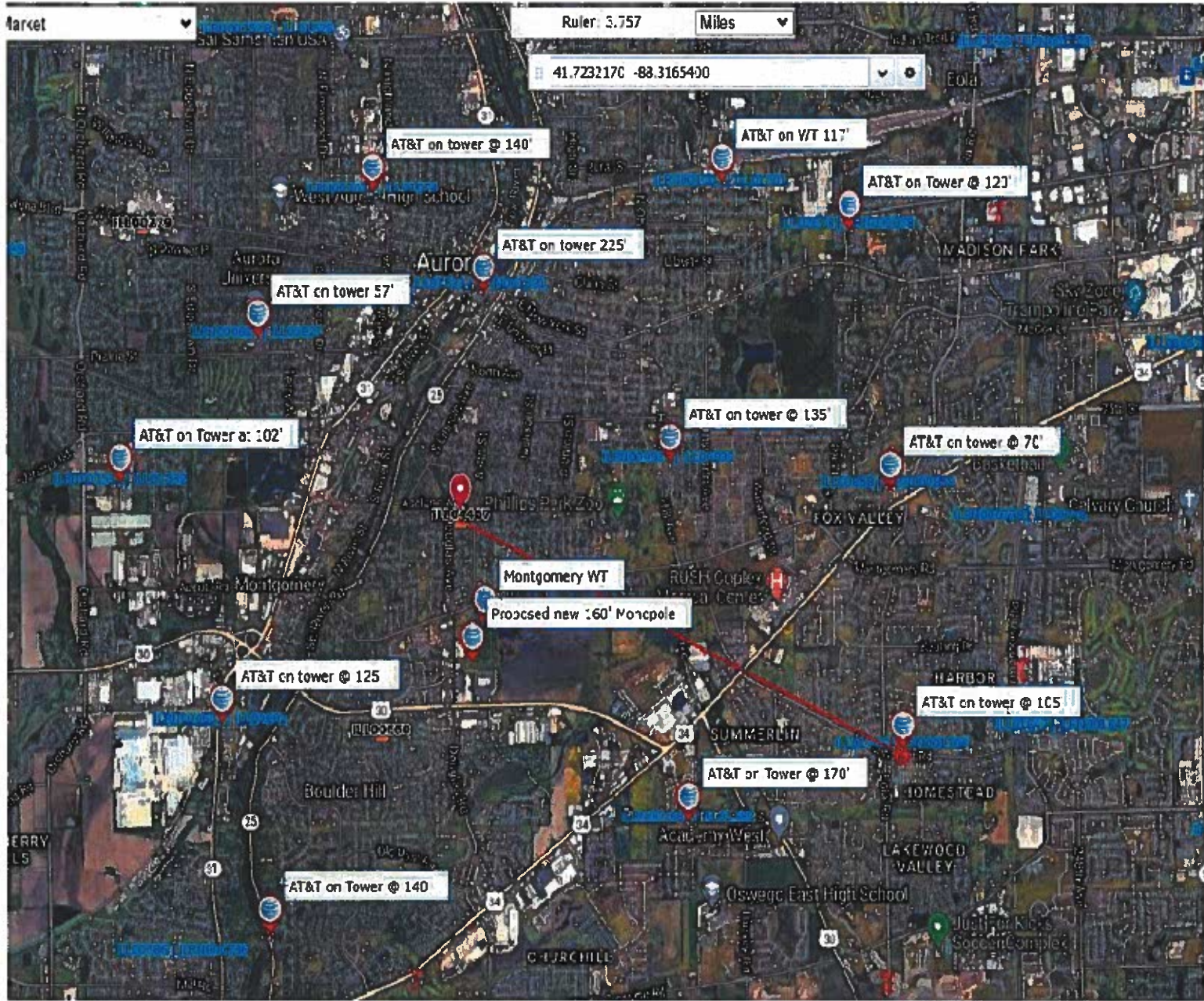


EXHIBIT #1A



**EXHIBIT #2**  
 Locations that AT&T Mobility is already operating within 3.7 miles of proposed New Tower.



# Prediction Analysis for Site IL4407

5<sup>th</sup> February 2024

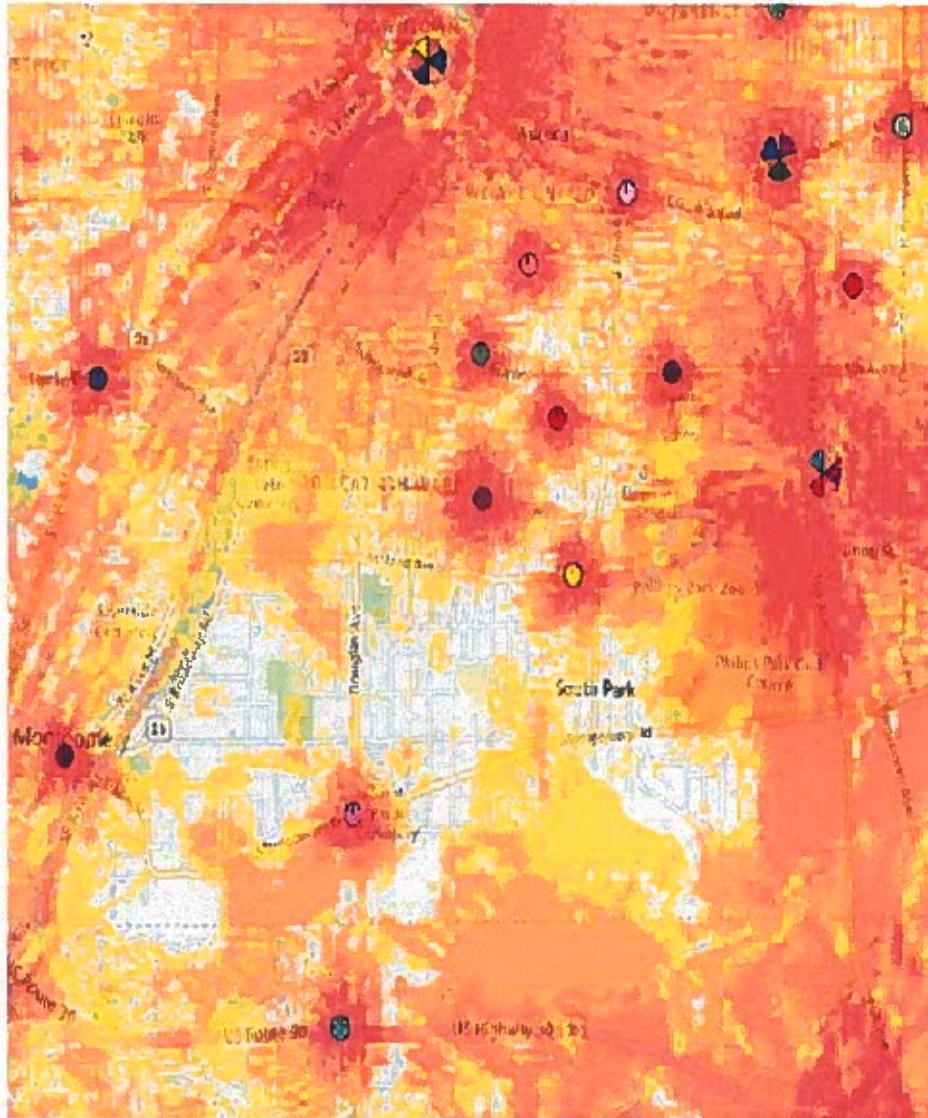
©2024 AT&T Knowledge Ventures. All rights reserved. AT&T Knowledge Ventures is a registered trademark and service mark of AT&T Knowledge Ventures, and all other marks are the property of their respective owners.  
AT&T (Registered Trademark of AT&T) - Not for use in disclosure outside the AT&T companies except under written agreement.



# GENERAL LAYOUT



# RSRP without IL4407



- LTE: RSRP (dBm) - Indoor
- Best RSRP (RS EPRE) Level (dBm) > -90
  - Best RSRP (RS EPRE) Level (dBm) > -98
  - Best RSRP (RS EPRE) Level (dBm) > -103
  - Best RSRP (RS EPRE) Level (dBm) > -108

# RSRP with ILL4407

